

Title (en)
Set of surgical instruments

Title (de)
Chirurgisches Instrumentarium

Title (fr)
Instrumentation chirurgicale

Publication
EP 2692304 B1 20180321 (DE)

Application
EP 13178776 A 20130731

Priority
DE 102012107056 A 20120801

Abstract (en)
[origin: EP2692304A1] The apparatus has two bone screws (18) comprising a connecting element receiver, and a connecting element (86) inserted and fixed with the receiver. A multi-function sleeve (106) includes proximal and distal ends and defines a longitudinal axis, where the sleeve comprises a connecting element-coupling device (108), a spreading device-coupling device (110) and a holding instrument-coupling device (112). An internal wall surface of the sleeve is rotationally symmetrical with respect to the axis where no projections protrude from or beyond the internal wall surface in a direction of the axis.

IPC 8 full level
A61B 17/70 (2006.01); **A61B 90/00** (2016.01)

CPC (source: EP US)
A61B 17/708 (2013.01 - EP US); **A61B 17/7082** (2013.01 - EP US); **A61B 17/7083** (2013.01 - EP US); **A61B 17/7032** (2013.01 - EP US); **A61B 17/7091** (2013.01 - EP US); **A61B 2090/061** (2016.02 - EP US)

Cited by
FR3018678A1; EP3777734A1; DE102015223479A1; DE102015223479B4; EP3517063A1; US10265105B2; WO2017021469A1; WO2015140440A1; US10499959B2; US10702316B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2692304 A1 20140205; EP 2692304 B1 20180321; DE 102012107056 A1 20140515; ES 2666500 T3 20180504; US 2014039567 A1 20140206; US 9211149 B2 20151215

DOCDB simple family (application)
EP 13178776 A 20130731; DE 102012107056 A 20120801; ES 13178776 T 20130731; US 201313955166 A 20130731